

Project Title:	The Comparative Toxicogenomics Database (CTD)
PI:	Mattingly, Carolyn J
Institution:	North Carolina State University Raleigh
Grant Number:	R01ES014065

These search results have not been confirmed by NIEHS and are therefore, not official. They are to be used only for general information and to inform the public and grantees on the breadth of research funded by NIEHS.

Viewing 31 publications

Print version (PDF)

(http://www.niehs.nih.gov/portfolio/index.cfm/portfolio/grantpubdetail/grant_number/R01ES014065/format/word)

Publication Title	Authors	Journal (Pub date)	Volume/Page	PubMed Link
A CTD-Pfizer collaboration: manual curation of 88,000 scientific articles text mined for drug-diseas ...	Davis, Allan Peter; Wiegers, Thomas C; Roberts, Phoebe M; King, Benjamin L; Lay, Jean M; Lennon-Hopkins, Kelley; Sciaky, Daniela; Johnson, Robin; Keating, Heather; Greene, Nigel; Hernandez, Robert; McConnell, Kevin J; Enayetallah, Ahmed E; Mattingly, Carolyn J	Database (Oxford) (2013)	2013 / bat080	PubMed Citation
Advancing Exposure Science through Chemical Data Curation and Integration in the Comparative Toxicog ...	Grondin, Cynthia J; Davis, Allan Peter; Wiegers, Thomas C; King, Benjamin L; Wiegers, Jolene A; Reif, David M; Hoppin, Jane A; Mattingly, Carolyn J	Environ Health Perspect (2016 Oct)	124 / 1592-1599	PubMed Citation
Aquatic models, genomics and chemical risk management.	Cheng, Keith C; Hinton, David E; Mattingly, Carolyn J; Planchart, Antonio	Comp Biochem Physiol C Toxicol Pharmacol (2012 Jan)	155 / 169-73	PubMed Citation
Assessing the state of the art in biomedical relation extraction: overview of the BioCreative V chem ...	Wei, Chih-Hsuan; Peng, Yifan; Leaman, Robert; Davis, Allan Peter; Mattingly, Carolyn J; Li, Jiao; Wiegers, Thomas C; Lu, Zhiyong	Database (Oxford) (2016)	2016 /	PubMed Citation
BioC interoperability track overview.	Comeau, Donald C; Batista-Navarro, Riza Theresa; Dai, Hong-Jie; Doğan, Rezarta Islamaj; Yepes, Antonio Jimeno; Khare, Ritu; Lu, Zhiyong; Marques, Hernani; Mattingly,	Database (Oxford) (2014)	2014 /	PubMed Citation

	Carolyn J; Neves, Mariana; Peng, Yifan; Rak, Rafal; Rinaldi, Fabio; Tsai, Richard Tzong-Han; Verspoor, Karin; Wiegers, Thomas C; Wu, Cathy H; Wilbur, W John			
BioCreative V CDR task corpus: a resource for chemical disease relation extraction.	Li, Jiao; Sun, Yueping; Johnson, Robin J; Sciaky, Daniela; Wei, Chih-Hsuan; Leaman, Robert; Davis, Allan Peter; Mattingly, Carolyn J; Wiegers, Thomas C; Lu, Zhiyong	Database (Oxford) (2016)	2016 /	PubMed Citat
Chemical databases for environmental health and clinical research.	Mattingly, Carolyn J	Toxicol Lett (2009 Apr 10)	186 / 62-5	PubMed Citat
Collaborative biocuration--text-mining development task for document prioritization for curation.	Wiegers, Thomas C; Davis, Allan Peter; Mattingly, Carolyn J	Database (Oxford) (2012)	2012 / bas037	PubMed Citat
Comparative Toxicogenomics Database: a knowledgebase and discovery tool for chemical-gene-disease ne ...	Davis, Allan Peter; Murphy, Cynthia G; Saraceni-Richards, Cynthia A; Rosenstein, Michael C; Wiegers, Thomas C; Mattingly, Carolyn J	Nucleic Acids Res (2009 Jan)	37 / D786-92	PubMed Citat
Disease model curation improvements at Mouse Genome Informatics.	Bello, Susan M; Richardson, Joel E; Davis, Allan P; Wiegers, Thomas C; Mattingly, Carolyn J; Dolan, Mary E; Smith, Cynthia L; Blake, Judith A; Eppig, Janan T	Database (Oxford) (2012)	2012 / bar063	PubMed Citat
DiseaseComps: a metric that discovers similar diseases based upon common toxicogenomic profiles at C ...	Davis, Allan Peter; Rosenstein, Michael C; Wiegers, Thomas Conrad; Mattingly, Carolyn J	Bioinformation (2011)	7 / 154-6	PubMed Citat
GeneComps and ChemComps: a new CTD metric to identify genes and chemicals with shared toxicogenomic ...	Davis, Allan Peter; Murphy, Cynthia G; Saraceni-Richards, Cynthia A; Rosenstein, Michael C; Wiegers, Thomas C; Hampton, Thomas H; Mattingly, Carolyn J	Bioinformation (2009)	4 / 173-4	PubMed Citat

Generating Gene Ontology-Disease Inferences to Explore Mechanisms of Human Disease at the Comparative ...	Davis, Allan Peter; Wiegers, Thomas C; King, Benjamin L; Wiegers, Jolene; Grondin, Cynthia J; Sciaky, Daniela; Johnson, Robin J; Mattingly, Carolyn J	PLoS One (2016)	11 / e0155530	PubMed Citat
Genetic and environmental pathways to complex diseases.	Gohlke, Julia M; Thomas, Reuben; Zhang, Yonqing; Rosenstein, Michael C; Davis, Allan P; Murphy, Cynthia; Becker, Kevin G; Mattingly, Carolyn J; Portier, Christopher J	BMC Syst Biol (2009)	3 / 46	PubMed Citat
Green fluorescent protein (GFP) as a marker of aryl hydrocarbon receptor (AhR) function in developin ...	Mattingly, C J; McLachlan, J A; Toscano Jr, W A	Environ Health Perspect (2001 Aug)	109 / 845-9	PubMed Citat
Laying a Community-Based Foundation for Data-Driven Semantic Standards in Environmental Health Scien ...	Mattingly, Carolyn J; Boyles, Rebecca; Lawler, Cindy P; Haugen, Astrid C; Dearry, Allen; Haendel, Melissa	Environ Health Perspect (2016 Aug)	124 / 1136-40	PubMed Citat
MEDIC: a practical disease vocabulary used at the Comparative Toxicogenomics Database.	Davis, Allan Peter; Wiegers, Thomas C; Rosenstein, Michael C; Mattingly, Carolyn J	Database (Oxford) (2012)	2012 / bar065	PubMed Citat
Ranking transitive chemical-disease inferences using local network topology in the comparative toxic ...	King, Benjamin L; Davis, Allan Peter; Rosenstein, Michael C; Wiegers, Thomas C; Mattingly, Carolyn J	PLoS One (2012)	7 / e46524	PubMed Citat
Targeted journal curation as a method to improve data currency at the Comparative Toxicogenomics Dat ...	Davis, Allan Peter; Johnson, Robin J; Lennon-Hopkins, Kelley; Sciaky, Daniela; Rosenstein, Michael C; Wiegers, Thomas C; Mattingly, Carolyn J	Database (Oxford) (2012)	2012 / bas051	PubMed Citat
Text mining and manual curation of chemical-gene-disease networks for the comparative toxicogenomics ...	Wiegers, Thomas C; Davis, Allan Peter; Cohen, K Bretonnel; Hirschman, Lynette; Mattingly, Carolyn J	BMC Bioinformatics (2009)	10 / 326	PubMed Citat
Text mining effectively scores and ranks the literature for improving chemical-gene-disease curation ...	Davis, Allan Peter; Wiegers, Thomas C; Johnson, Robin J; Lay, Jean M; Lennon-Hopkins, Kelley; Saraceni-Richards,	PLoS One (2013)	8 / e58201	PubMed Citat

	Cynthia; Sciaky, Daniela; Murphy, Cynthia Grondin; Mattingly, Carolyn J			
Text mining for the biocuration workflow.	Hirschman, Lynette; Burns, Gully A P C; Krallinger, Martin; Arighi, Cecilia; Cohen, K Bretonnel; Valencia, Alfonso; Wu, Cathy H; Chatr-Aryamontri, Andrew; Dowell, Karen G; Huala, Eva; Lourenco, Analia; Nash, Robert; Veuthey, Anne-Lise; Wiegers, Thomas; Winter, Andrew G	Database (Oxford) (2012)	2012 / bas020	PubMed Citat
The Comparative Toxicogenomics Database (CTD).	Mattingly, Carolyn J; Colby, Glenn T; Forrest, John N; Boyer, James L	Environ Health Perspect (2003 May)	111 / 793-5	PubMed Citat
The Comparative Toxicogenomics Database (CTD): a resource for comparative toxicological studies.	Mattingly, C J; Rosenstein, M C; Colby, G T; Forrest Jr, J N; Boyer, J L	J Exp Zool A Comp Exp Biol (2006 Sep 1)	305 / 689-92	PubMed Citat
The Comparative Toxicogenomics Database facilitates identification and understanding of chemical-gen ...	Davis, Allan P; Murphy, Cynthia G; Rosenstein, Michael C; Wiegers, Thomas C; Mattingly, Carolyn J	BMC Med Genomics (2008)	1 / 48	PubMed Citat
The Comparative Toxicogenomics Database's 10th year anniversary: update 2015.	Davis, Allan Peter; Grondin, Cynthia J; Lennon-Hopkins, Kelley; Saraceni-Richards, Cynthia; Sciaky, Daniela; King, Benjamin L; Wiegers, Thomas C; Mattingly, Carolyn J	Nucleic Acids Res (2015 Jan)	43 / D914-20	PubMed Citat
The comparative toxicogenomics database: a cross-species resource for building chemical-gene interac ...	Mattingly, Carolyn J; Rosenstein, Michael C; Davis, Allan Peter; Colby, Glenn T; Forrest Jr, John N; Boyer, James L	Toxicol Sci (2006 Aug)	92 / 587-95	PubMed Citat
The Comparative Toxicogenomics Database: update 2011.	Davis, Allan Peter; King, Benjamin L; Mockus, Susan; Murphy, Cynthia G; Saraceni-Richards, Cynthia; Rosenstein,	Nucleic Acids Res (2011 Jan)	39 / D1067-72	PubMed Citat

	Michael; Wiegers, Thomas; Mattingly, Carolyn J			
The Comparative Toxicogenomics Database: update 2013.	Davis, Allan Peter; Murphy, Cynthia Grondin; Johnson, Robin; Lay, Jean M; Lennon-Hopkins, Kelley; Saraceni-Richards, Cynthia; Sciaky, Daniela; King, Benjamin L; Rosenstein, Michael C; Wiegers, Thomas C; Mattingly, Carolyn J	Nucleic Acids Res (2013 Jan)	41 / D1104-14	PubMed Citat
The curation paradigm and application tool used for manual curation of the scientific literature at ...	Davis, Allan Peter; Wiegers, Thomas C; Rosenstein, Michael C; Murphy, Cynthia G; Mattingly, Carolyn J	Database (Oxford) (2011)	2011 / bar034	PubMed Citat
Web services-based text-mining demonstrates broad impacts for interoperability and process simplific ...	Wiegers, Thomas C; Davis, Allan Peter; Mattingly, Carolyn J	Database (Oxford) (2014)	2014 /	PubMed Citat